

GROUTED SPLICE COUPLER DETAILS

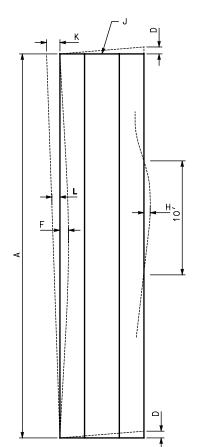
- NOTES: 1. USE MATCHING TEMPLATES FOR THE LOCATION OF COLUMN REINFORCEMENT AND GROUTED SPLICE COUPLER PLACEMENT WITHIN THE ELEMENTS TO CONTROL CRITICAL DIMENSIONS "C" AND "C1", WHICH WOULD BE IDENTICAL.

 2. CONSULT MANUFACTURER OF THE GROUTED SPLICE COUPLER FOR PROPER DIMENSIONS "B" AND "D" AND FOR TOLERANCE ON THESE DIMENSIONS.

 3. BEFORE EXECUTING GROUTED SPLICE COUPLER ASSEMBLIES, ALWAYS SEEK INSTALLATION RECOMMENDATIONS FROM THE MANUFACTURER OF THE GROUTED SPLICE COUPLER USED.

GROUTED SPLICE COUPLER TOLERANCES

Α	SHIM PACK HEIGHT	³ 4" ± ³ 6"
В	DOWEL HEIGHT	CONSULT MANUFACTURER
C C1	LOCATION OF COLUMN REINFORCING, GROUTED SPLICE COUPLER, AND FOOTING DOWELS MEASURED FROM A COMMON REFERENCE POINT	± ¼"
D	GAP BETWEEN DOWELS AND COLUMN REINFORCING	CONSULT MANUFACTURER



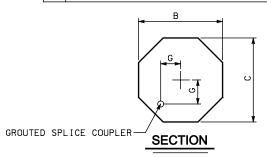
ELEVATION

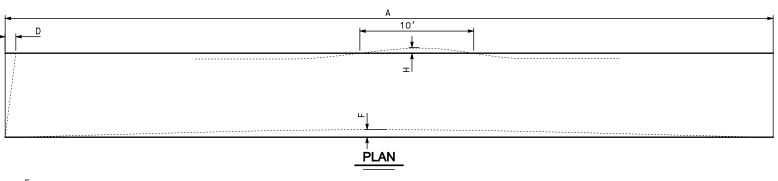
COLUMN FABRICATION TOLERANCES

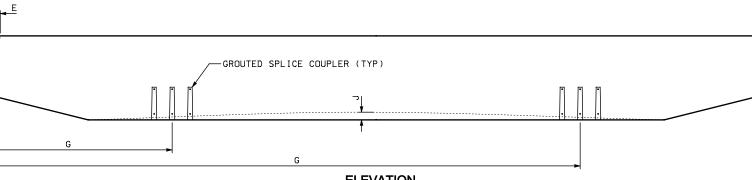
Α	LENGTH	± 1/2"
В	WIDTH (OVERALL)	± 1/4"
С	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 3/8" MAXIMUM
F	SWEEP, FOR MEMBER LENGTH:	± 1/8" PER 10 FEET ± 1/2" MAXIMUM
G	LOCATION OF GROUTED SPLICE COUPLER MEASURED FROM A COMMON REFERENCE POINT	± 1,4"
Н	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET

COLUMN ERECTION TOLERANCES

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J	TOP ELEVATION FROM NOMINAL TOP ELEVATION			
	MAXIMUM LOW			
	MAXIMUM HIGH			
К	MAXIMUM PLUMB VARIATION OVER HEIGHT OF COLUMN	1/2"		
L	PLUMB IN ANY 10 FEET OF COLUMN HEIGHT	1⁄4″		







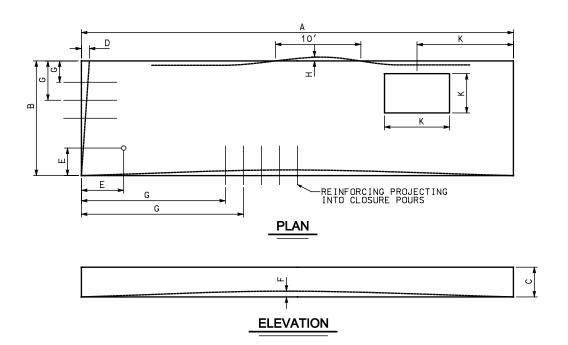
ELEVATION

SECTION

BENT CAP FABRICATION TOLERANCES

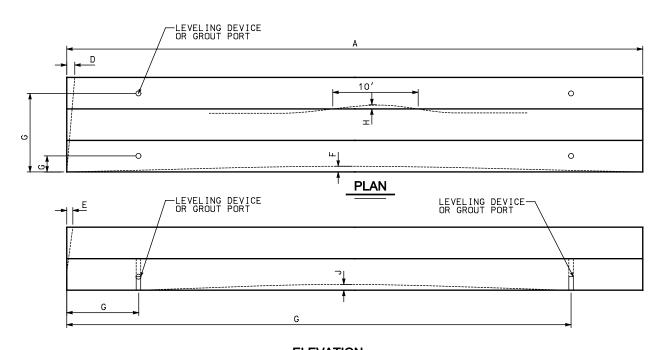
Α	LENGTH	+ 3/4"
В	WIDTH (OVERALL)	± 1/4"
С	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 1/2" MAXIMUM
E	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 1/2" MAXIMUM
F	SWEEP, FOR MEMBER LENGTH: UP TO 40 FEET 40 FEET TO 60 FEET OVER 60 FEET	+ 1/4" + 1/2" ± 5/8"
G	LOCATION OF GROUTED SPLICE COUPLER MEASURED FROM A COMMON REFERENCE POINT	± 1/4"
Н	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET
J	VARIATION FROM SPECIFIED CAMBER	+ 1/8" PER 10 FEET + 1/2" MAXIMUM
S3	STIRRUP PROJECTION FROM CAP SURFACE	+ 1/4", - 1/2"

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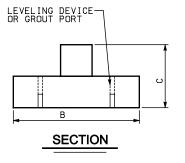


APPROACH SLAB TOLERANCES

Α	LENGTH	± 1/4"
В	WIDTH (OVERALL)	± 1/4"
С	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/2"
E	LOCATION OF LEVELING BOLTS	± 1"
F	SWEEP OVER MEMBER LENGTH:	± 3/8"
G	LOCATION OF PROJECTING REINFORCING MEASURED FROM A COMMON REFERENCE POINT	± 1/2"
Н	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET
K	LOCATION AND SIZE OF BLOCKOUT FOR BASINS	± 1/2"



ELEVATION

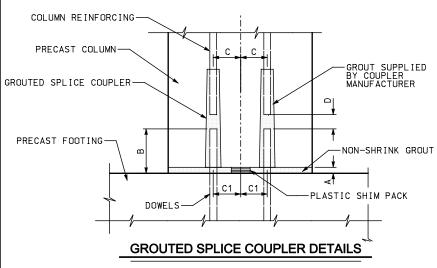


SLEEPER SLAB FABRICATION TOLERANCES

Α	LENGTH	± 1/2"
В	WIDTH (OVERALL)	± 1/4"
С	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 1/2" MAXIMUM
E	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	± 1/8" PER 12 INCH WIDTH ± 1/2" MAXIMUM
F	SWEEP OVER MEMBER LENGTH:	± 1/2"
G	LOCATION OF LEVELING DEVICE OR GROUT PORT MEASURED FROM A COMMON REFERENCE POINT	± 2"
Ħ	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET
J	VARIATION FROM SPECIFIED CAMBER	± 1/8" PER 10 FEET ± 1/2" MAXIMUM

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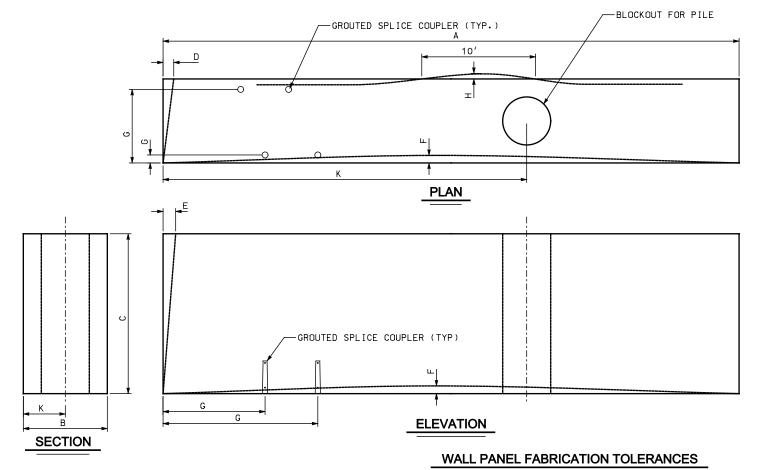
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GROUTED SPLICE COUPLER TOLERANCES

Α	SHIM PACK HEIGHT	3/4" ± 3/8"
В	DOWEL HEIGHT	CONSULT MANUFACTURER
C C1	LOCATION OF COLUMN REINFORCING, GROUTED SPLICE COUPLER, AND FOOTING DOWELS MEASURED FROM A COMMON REFERENCE POINT	± 1/4"
D	GAP BETWEEN DOWELS AND COLUMN REINFORCING	CONSULT MANUFACTURER



NOTE: THESE TOLERANCES APPLY TO THE FOLLOWING ELEMENTS INTEGRAL ABUTMENT STEMS CANTILEVER ABUTMENT STEMS ABUTMENT BACKWALLS CANTILEVER RETAINING WALLS

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Α	LENGTH	± 1/4"
В	WIDTH (OVERALL)	± 1/4"
С	DEPTH (OVERALL)	± 1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	± 1/2"
E	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	± 1/2"
F	SWEEP OVER MEMBER LENGTH:	± 3/8"
G	LOCATION OF GROUTED SPLICE COUPLER MEASURED FROM A COMMON REFERENCE POINT	± 1/4"
Н	LOCAL SMOOTHNESS OF ANY SURFACE	± 1/4" IN 10 FEET
K	LOCATION OF BLOCKOUT FOR PILES	± 1"

UTAH DEPARTMENT OF TRANSPORTATION
SALT LAKE CITY, UTAH
STRUCTURES DIVISION TYPICAL DETAIL SHEET
TOLERANCES FOR PRECAST ELEMENTS
ABUTMENT AND WALL ELEMENTS COUNTY T - 2

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